

What Is Claimed Is:

1        1.    A method of declaring an incident in an enterprise  
2 comprising:

3        providing a number of alert indications containing  
4 information concerning an incident related to the enterprise; and  
5 either

6        comparing one or more of the alert indications to a set of  
7 rules, and if a match occurs between the set of rules, and the  
8 alert indication, declaring an incident based on the match, or

9        comparing one or more of the alert indications to a decision  
10 table containing a number of defined alert events; remembering  
11 each alert indication that matches one of the defined alert  
12 events, comparing the remembered alert indication to correlation  
13 data in the decision table, and if a match occurs between the  
14 remembered alert indication and the correlation data, declaring  
15 an incident based on the match; or

16        if no match occurs between the alert indication and the  
17 correlation data or the rules set, declare an incident if the  
18 alert indication meets a defined default threshold value.

1        2.    The method of claim 1, wherein the defined default  
2 threshold value is a level of severity in the alert indication.

1        3.    The method of claim 1, further comprising displaying an  
2 incident ticket for each incident declared, the incident ticket

3 including a description of the incident, a conclusion based on  
4 incident description, any actions responsive to the conclusion,  
5 one or more incident tracking rules which identify one or more  
6 further alert indications for association with the incident  
7 ticket, and a detail of the alert indications associated with the  
8 incident.

1 4. The method of claim 1, further comprising the step of  
2 tracking further alert indications once an incident ticket is  
3 declared and associating the further alert indications with the  
4 incident ticket based on one or more incident tracking rules.

1 5. The method of claim 4, wherein the associating step is  
2 performed only if the further alert indications pass a threshold  
3 value or table lookup from a user-editable table which lists  
4 enterprise policy attributes associated with particular alert  
5 codes, categories, or threat characterizations.

1 6. The method of claim 4, further comprising updating the  
2 incident tracking rules based on one or more further alert  
3 indications.

1 7. The method of claim 1, wherein the alert indications  
2 include information having a common format.

1        8.    The method of claim 1, wherein the enterprise is a  
2 network with a number of network devices that supply the alert  
3 indications for incident declaration.

1        9.    The method of claim 1, wherein the default defined  
2 value derives from a set of rules defining default conditions for  
3 declaring an incident.

1        10.   A system for declaring an incident in an enterprise  
2 comprising:

3        a) a decision table containing a number of defined alert  
4 events, and a set of correlation data that identifies patterns in  
5 alert indications inputted to the decision table, the decision  
6 table remembering inputted alert indications matching defined  
7 alert events, and declaring an incident if a match occurs between  
8 remembered alert indications and the correlated data;

9        a set of rules containing a number of query statements,  
10 wherein a match between at least one of the rules and the  
11 inputted alert indications result in an incident declaration; and

12        a set of default standards specifying a minimum value to  
13 declare an incident should a match not occur with the decision  
14 tables or set of rules.

1        11.   The system of claim 10, further comprising a display of  
2 the incident as an incident ticket, the incident ticket including  
3 a description of the incident, a conclusion based on incident

4 description, any actions responsive to the conclusion, one or  
5 more incident tracking rules which identify one or more further  
6 alert indications for association with the incident ticket, a  
7 detail of the alert indications associated with the incident,  
8 followed by a listing of "raw events" that, if requested by the  
9 user, contains information that has been left in the native or  
10 vendor-specific format of the original sensor that produced the  
11 event.

1 12. The system of claim 10, further comprising an alert  
2 processing system that tracks inputted alert indications, filters  
3 out inputted alert indications that do not meet a threshold  
4 value, compares the inputted information to a tracking rule to  
5 determine whether the inputted information should be associated  
6 with a declared incident.

1 13. The system of claim 10, further comprising a database  
2 for storing at least the declared incidents.

1 14. The system of claim 12, further comprising a database  
2 for storing at least the declared incidents and alert indications  
3 passing the threshold value.

1 15. The system of claim 13, further comprising a web  
2 server, linking the system to one or more users via a global  
3 network.

1 16. The system of claim 10, further comprising means for  
2 displaying the declared incident.

1 17. The system of claim 10, wherein the rules are a  
2 combination of default rules and customized rules.

1 18. The system of claim 10, wherein the enterprise is a  
2 network and the inputted information is supplied by a number of  
3 network devices.

1 19. The system of claim 12, further comprising an alert  
2 processing system that tracks inputted alert indications, filters  
3 out inputted alert indications that do not meet a threshold  
4 value, compares the inputted information to a tracking rule to  
5 determine whether the inputted information should be associated  
6 with a declared incident.

1 20. The system of claim 19, wherein the enterprise is a  
2 network, and the inputted information is supplied by a number of  
3 network devices.

1 21. The method of claim 3, comprising updating the incident  
2 ticket based an updated tracking rule such that the alert  
3 indications, conclusions and description reflect the updated  
4 tracking rule.

1           22. The method of claim 21, wherein the tracking rule is  
2 updated using human input based on observations of reported  
3 incidents.

1